

Publications

<Paper>

1. “All-In–All-Out Magnetic Domains: X-Ray Diffraction Imaging and Magnetic Field Control”, Samuel Tardif, Soshi Takeshita, Hiroyuki Ohsumi, Jun-ichi Yamaura, Daisuke Okuyama, Zenji Hiroi, Masaki Takata, and Taka-hisa Arima, *Phys. Rev. Lett.* **114**, 147205:1-5 (2015).
2. “Evidence for ordered magnetic moments at oxygen sites in antiferromagnetic Sr_2IrO_4 and $\text{Sr}_3\text{Ir}_2\text{O}_7$ ”, M. Miyazaki, R. Kadono, M. Hiraishi, A. Koda, K. M. Kojima, K. Ohashi, T. Takayama, and H. Takagi, *Physical Review B* **91**, 155113:1-11 (2015).
3. “Electronic structure and oxygen ion conductivity of as-deposited $\text{Ce}_{0.9}\text{Sm}_{0.10}\text{O}_{2-\delta}$ thin film prepared by RF magnetron sputtering”, Shohei Yamaguchi, Yuji Tasaki, Masaki Kobayashi, Koji Horiba, Hiroshi Kumigashira, and Tohru Higuchi, *Jpn. J. Appl. Phys.* **54**, 06FJ04:1-5 (2015).
4. “Comparative ARPES study on iron-platinum-arsenide superconductor $\text{Ca}_{10}(\text{Pt}_4\text{As}_8)(\text{Fe}_{2-x}\text{Pt}_x\text{As}_2)_5$ ($x = 0.25$ and 0.42)”, M. Sunagawa, R. Yoshida, T. Ishiga, K. Tsubota, T. Jabuchi, J. Sonoyama, S. Kakiya, D. Mitsuoka, K. Kudo, M. Nohara, K. Ono, H. Kumigashira, T. Oguchi, T. Wakita, Y. Muraoka, and T. Yokoya, *J. Phys. Soc. Jpn.* **84**, 055001:1-2 (2015).
5. “Electronic structure of $\text{Ti}_{1-x}\text{Fe}_x\text{O}_{2-\delta}$ thin film with oxygen vacancies probed by Soft-X-Ray Spectroscopy”, K. Usui, S. Yamaguchi, N. Suzuki, Y. Shimazu, T. Tsuchiya, E. Sakai, M. Kobayashi, K. Horiba, H. Kumigashira, and T. Higuchi, *Jpn. J. Appl. Phys.* **54**, 06FJ07:1-4 (2015).
6. “Metal-Insulator Transition of c-Axis Controlled V_2O_3 Thin Film”, Y. Shimazu, T. Okumura, T. Tsuchiya, A. Shimada, K. Tanabe, K. Tokiwa, M. Kobayashi, K. Horiba, H. Kumigashira, and T. Higuchi, *J. Phys. Soc. Jpn.* **84**, 064701:1-5 (2015).
7. “Spinodally decomposed nanostructures in a TiO_2 - VO_2 crystal”, Z. Hiroi, T. Yoshida, J. Yamaura, and Y. Okamoto, *APL Materials*. **3**, 062508:1-8 (2015).
8. “Two kinds of in-plane resistivity anisotropy in $\text{Fe}_{1+\delta}\text{Te}(\delta=0.09)$ as seen via synchrotron radiation x-ray diffraction and in situ resistivity measurements”, Taro Nakajima, Tadashi Machida, Hironori Kariya, Daiki Morohoshi, Yuichi Yamasaki, Hironori Nakao, Kazuto Hirata, Takashi Mochiku, Hiroyuki Takeya, Setsuo Mitsuda, and Hideaki Sakata, *Phys. Rev. B* **91**, 205125:1-8 (2015).
9. “Electronic Structure of b-Axis Oriented VO_2 Thin Film with Mixed-Valence States Probed by Soft-X-ray Spectroscopy”, Takaaki Suetsugu, Yuichi Shimazu, Masaki Kobayashi, Enju Sakai, Hiroshi Kumigashira, and Tohru Higuchi, *J. Phys. Soc. Jpn.* **84**, 064715:1-4 (2015).
10. “One-Third Magnetization Plateau with a Preceding Novel Phase in Volborthite”, H. Ishikawa, M. Yoshida, K. Nawa, M. Jeong, S. Krämer, M. Horvatić, C. Berthier, M. Takigawa, M. Akaki, A. Miyake, M. Tokunaga, K. Kindo, J. Yamaura, Y. Okamoto, and Z. Hiroi, *Phys. Rev. Lett.* **114**, 227202:1-5 (2015).
11. “Observation of a Devil’s Staircase in the Novel Spin-Valve System $\text{SrCo}_6\text{O}_{11}$ ”, T. Matsuda, S. Partzsch, T. Tsuyama, E. Schierle, E. Weschke, J. Geck, T. Saito, S. Ishiwata, Y. Tokura, and H. Wadati, *Phys. Rev. Lett.* **114**, 236403:1-5 (2015).
12. “Quantum ferroelectricity in charge-transfer complex crystals”, S. Horiuchi, K. Kobayashi, R. Kumai, N. Minami, F. Kagawa and Y. Tokura, *Nature Commun.*, **6**, 7469:1-7 (2015).
13. “Engineering a Spin-Orbital Magnetic Insulator by Tailoring Superlattices”, J. Matsuno, K. Ihara, S. Yamamura, H. Wadati, K. Ishii, V. V. Shankar, Hae-Young Kee, and H. Takagi, *Phys. Rev. Lett.* **114**, 247209:1-5 (2015).
14. “Electronic structure of $\text{Ti}_{1-x}\text{Fe}_x\text{O}_{2-\delta}$ thin films with oxygen vacancies probed by soft X-ray spectroscopy”, Katsuya Usui, Shohei Yamaguchi, Naoya Suzuki, Yuichi Shimazu, Enju Sakai, Masaki Kobayashi, Koji Horiba, Hiroshi Kumigashira, and Tohru Higuchi, *Jpn. J. Appl. Phys* **54**, 06FJ07:1-4 (2015).
15. “Dependence of electron correlation strength in $\text{Fe}_{1+y}\text{Te}_{1-x}\text{Se}_x$ on Se content”, L. C. C. Ambolode II, K. Okazaki, M. Horio, H. Suzuki, L. Liu, S. Ideta, T. Yoshida, T. Mikami, T. Kakeshita, S. Uchida, K. Ono, H. Kumigashira, M. Hashimoto, D. -H. Lu, Z. -X. Shen, and A. Fujimori, *Phys. Rev. B* **92**, 035104:1–5 (2015).
16. “Electronic structure of $\text{Li}_{1+x}[\text{Mn}_{0.5}\text{Ni}_{0.5}]_{1-x}\text{O}_2$ studied by photoemission and x-ray absorption spectroscopy”, Y. Yokoyama, D. Ootsuki, T. Sugimoto, H. Wadati, J. Okabayashi, Xu Yang, Fei Du, Gang Chen and T. Mizokawa, *Appl. Phys. Lett.* **107**, 033903:1-4 (2015).

17. “Ultrafast spin-switching of a ferrimagnetic alloy at room temperature traced by resonant magneto-optical Kerr effect using a seeded free electron laser”, Sh. Yamamoto, M. Taguchi, T. Someya, Y. Kubota, S. Ito, H. Wadati, M. Fujisawa, F. Capotondi, E. Pedersoli, M. Manfredda, L. Raimondi, M. Kiskinova, J. Fujii, P. Moras, T. Tsuyama, T. Nakamura, T. Kato, T. Higashide, S. Iwata, S. Yamamoto, S. Shin1 and I. Matsuda, *Rev. Sci. Instrum.* **86**, 083901:1-5 (2015).
18. “Thickness-dependent magnetic properties and strain-induced orbital magnetic moment in SrRuO_3 thin films”, K. Ishigami, K. Yoshimatsu, D. Toyota, M. Takizawa, T. Yoshida, G. Shibata, T. Harano, Y. Takahashi, T. Kadono, V. K. Verma, V. R. Singh, Y. Takeda, T. Okane, Y. Saitoh, H. Yamagami, T. Koide, M. Oshima, H. Kumigashira, and A. Fujimori, *Phys. Rev. B* **92**, 064402:1-5 (2015).
19. “Structural anomalies and short-range magnetic correlations in the Sr_2VO_4 ”, Ichihiro Yamauchi, Kazuhiro Nawa, Masatoshi Hiraishi, Masanori Miyazaki, Akihiro Koda, Kenji M. Kojima, Ryosuke Kadono, Hironori Nakao, Reiji Kumai, Youichi Murakami, Hiroaki Ueda, Kazuyoshi Yoshimura, and Masashi Takigawa, *Phys. Rev. B* **92**, 064408:1-7 (2015).
20. “Low dimensionalization of magnetic ordering in Sr_2VO_4 by hydride ion substitution”, Joonho Bang, Satoru Matsuishi, Sachiko Maki, Jun-ichi Yamaura, Masatoshi Hiraishi, Soshi Takeshita, Ichihiro Yamauchi, Kenji M. Kojima, and Hideo Hosono, *Phys. Rev. B* **92**, 064414:1-7 (2015).
21. “Electronic structure of Mu-complex donor state in rutile TiO_2 ”, K. Shimomura, R. Kadono, A. Koda, K. Nishiyama, and M. Mihara, *Physical Review B* **92**, 075203:1-6 (2015).
22. “Spin-glass behaviors in carrier polarity controlled $\text{Fe}_{3-x}\text{Ti}_x\text{O}_4$ semiconductor thin films”, H. Yamahara, M. Seki, M. Adachi, M. Takahashi, H. Nasu, K. Horiba, H. Kumigashira, and H. Tabata, *J. Appl. Phys.* **118**, 063905:1-7 (2015).
23. “Origin of the Anomalous Mass Renormalization in Metallic Quantum Well States of Strongly Correlated Oxide SrVO_3 ”, Masaki Kobayashi, Kohei Yoshimatsu, Enju Sakai, Miho Kitamura, Koji Horiba, Atsushi Fujimori, and Hiroshi Kumigashira, *Phys. Rev. Lett.* **115**, 076801:1-5 (2015).
24. “Modulation of Molecular π -Electron System in a Purely Organic Conductor that Shows Hydrogen-Bond-Dynamics-Based Switching of Conductivity and Magnetism”, Akira Ueda, Akari Hatakeyama, Masaya Enomoto, Reiji Kumai, Youichi Murakami, and Hatsumi Mori, *Chem. Eur.J.* **21**, 15020–15028 (2015).
25. “In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted $\text{Ba}(\text{Fe}_{1-x}\text{Ru}_x)_2\text{As}_2$ ”, L. Liu, T. Mikami, S. Ishida, K. Koshiishi, K. Okazaki, T. Yoshida, H. Suzuki, M. Horio, L. C. C. Ambolode, II, J. Xu, H. Kumigashira, K. Ono, M. Nakajima, K. Kihou, C. H. Lee, A. Iyo, H. Eisaki, T. Kakeshita, S. Uchida, and A. Fujimori, *Phys. Rev. B* **92**, 094503:1–5 (2015).
26. “Science from the Initial Operation of HRC”, S. Itoh, T. Yokoo, T. Masuda, H. Yoshizawa, M. Soda, Y. Ikeda, S. Ibuka, D. Kawana, T.J. Sato, Y. Nambu, K. Kuwahara, S. Yano, J. Akimitsu, Y. Kaneko, Y. Tokura, M. Fujita, M. Hase, K. Iwasa, H. Hiraka, T. Fukuda, K. Ikeuchi, K. Yoshida, T. Yamaguchi, K. Ono, and Y. Endoh, *JPS Conf. Proc.* **8**, 034001:1-6 (2015).
27. “Magnetic and Crystal Structures of the Room Temperature Ferrimagnet $\text{Sr}_3\text{YCo}_4\text{O}_{10.5}$ ”, Akiko NAKAO, Hironori NAKAO, Kenji OHYAMA, Shuki TORII, Junrong ZHANG, Takashi KAMIYAMA, Youichi MURAKAMI, Wataru KOBAYASHI, and Ichiro TERASAKI, *JPS Conf. Proc.* **8**, 034010:1-6 (2015).
28. “Magnetic Field Dependence of the Canted Spin Moment around the Interface between Ferromagnetic Ni and Antiferromagnetic FeMn Revealed by the Polarized Neutron Reflectivity”, K. Amemiya, M. Sakamaki, M. Mizusawa, and M. Takeda, *JPS Conf. Proc.* **8**, 034004:1-6 (2015).
29. “Effects of Cr substitution on the magnetic and transport properties and electronic states of SrRuO_3 epitaxial thin films”, Kaori Kurita, Akira Chikamatsu, Kei Shigematsu, Tsukasa Katayama, Hiroshi Kumigashira, Tomoteru Fukumura, and Tetsuya Hasegawa, *Phys. Rev. B* **92**, 115153:1-6 (2015).
30. “Few-Volt Operation of Printed Organic Ferroelectric Capacitor”, Yuki Noda, Toshikazu Yamada, Kensuke Kobayashi, Reiji Kumai, Sachio Horiuchi, Fumitaka Kagawa, and Tatsuo Hasegawa, *Adv. Mater.* **27**, 6475-6481 (2015).
31. “Large Diamagnetic Susceptibility from Petit Fermi Surfaces in $\text{LaV}_2\text{Al}_{20}$ ”, T. Hirose, Y. Okamoto, J. Yamaura, Z. Hiroi, *J. Phys. Soc. Jpn.* **84**, 113701:1-5 (2015).

32. “On the microscopic dynamics of the ‘Einstein solids’ $\text{AlV}_2\text{Al}_{20}$ and $\text{GaV}_2\text{Al}_{20}$, and of $\text{YV}_2\text{Al}_{20}$: A benchmark system for ‘rattling’ excitations.”,
M. M. Koza, H. Mutka, Y. Okamoto, J. Yamaura, Z. Hiroi,
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33. “Hole-ion Mixed Conduction of Orientation-Controlled $\text{BaPrO}_{3-\delta}$ Thin Film with Mixed Valence States”,
Tohru Higuchi, Asuka Oda, Takashi Tsuchiya, Takaaki Suetsugu, Naoya Suzuki, Shohei Yamaguchi, Makoto Minohara, Masaki Kobayashi, Koji Horiba, and Hiroshi Kumigashira,
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34. “Effects of stoichiometry and substitution in quasi-one-dimensional iron chalcogenide BaFe_2S_3 ”,
Y. Hirata, S. Maki, J. Yamaura, T. Yamauchi, K. Ohgushi,
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35. “Strain-sensitive spin-state ordering in thin films of perovskite LaCoO_3 ”,
J. Fujioka, Y. Yamasaki, A. Doi, H. Nakao, R. Kumai, Y. Murakami, M. Nakamura, M. Kawasaki, T. Arima, and Y. Tokura,
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36. “Symmetry Lowering in LaOBiS_2 : A Mother Material for BiS_2 -Based Layered Superconductors”,
Ryoko Sagayama, Hajime Sagayama, Reiji Kumai, Youichi Murakami, Takuya Asano, Joe Kajitani, Ryuji Higashinaka, Tatsuma D. Matsuda, and Yuji Aoki,
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37. “Effects of aluminum substitution on the structure and electric properties of langasite family crystals”,
H. Takeda, J. Yamaura, T. Nishida, T. Hoshina, T. Tsurumi,
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38. “Magnetic and electronic states in $(\text{LaMnO}_3)_2(\text{SrMnO}_3)_2$ superlattice exhibiting a large negative magnetoresistance”,
H. Nakao, T. Sudayama, M. Kubota, J. Okamoto, Y. Yamasaki, Y. Murakami, H. Yamada, A. Sawa, and K. Iwasa,
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39. “Quadratic Fermi Node in a 3D Strongly Correlated Semimetal”,
T. Kondo, M. Nakayama, R. Chen, J.J. Ishikawa, E.-G. Moon, T. Yamamoto, Y. Ota, W. Malaeb, H. Kanai, Y. Nakashima, Y. Ishida, R. Yoshida, H. Yamamoto, M. Matsunami, S. Kimura, N. Inami, K. Ono, H. Kumigashira, S. Nakatsuji, L. Balents, and S. Shin,
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40. “Fermi Surfaces and p - d Hybridization in the Diluted Magnetic Semiconductor $\text{Ba}_{1-x}\text{K}_x(\text{Zn}_{1-y}\text{Mn}_y)_2\text{As}_2$ Studied by Soft X-ray Angle Resolved Photoemission Spectroscopy”,
H. Suzuki, G. Q. Zhao, K. Zhao, B. J. Chen, M. Horio, K. Koshiishi, J. Xu, M. Kobayashi, M. Minohara, E. Sakai, K. Horiba, H. Kumigashira, B. Gu, S. Maekawa, Y. J. Uemura, C. Q. Jin, and A. Fujimori,
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41. “Proton conduction of $\text{BaCe}_{0.90}\text{Y}_{0.10}\text{O}_{3-\delta}$ thin film with lattice distortion”,
T. Higuchi, T. Owaku, Y. Iida, E. Sakai, M. Kobayashi, and H. Kumigashira,
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42. “Voltage-induced Changes in Magnetism of $\text{FeCo}/\text{BaTiO}_3$ Thin Films Studied by X-ray Absorption Spectroscopy”,
K. Amemiya and M. Sakamaki,
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43. “In-situ XMCD evaluation of ferromagnetic state at FeRh thin film surface induced by 1 keV Ar ion beam irradiation and annealing”,
T. Matsui, K. Aikoh, M. Sakamaki, K. Amemiya, and A. Iwase,
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44. “Dynamical process of skyrmion-helical magnetic transformation of the chiral-lattice magnet FeGe probed by small-angle resonant soft x-ray scattering”,
Y. Yamasaki, D. Morikawa, T. Honda, H. Nakao, Y. Murakami, N. Kanazawa, M. Kawasaki, T. Arima, and Y. Tokura,
Phys. Rev. B **92**, 220421(R):1-5 (2015).
45. “Optical Spectroscopic Studies of the Metal-Insulator Transition Driven by All-In/All-Out Magnetic Ordering in $5d$ Pyrochlore $\text{Cd}_2\text{Os}_2\text{O}_7$ ”,
C. H. Sohn, H. Jeong, H. Jin, S. Y. Kim, L. J. Sandilands, H. J. Park, K. W. Kim, J. Moon, D.-Y. Cho, J. Yamaura, Z. Hiroi, W. Noh,
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46. “Experimental and theoretical investigation of electronic structure of $\text{SrFeO}_{3-x}\text{F}_x$ epitaxial thin films prepared via topotactic reaction”,
Tsukasa Katayama, Akira Chikamatsu, Hideyuki Kamisaka, Hiroshi Kumigashira, and Tetsuya Hasegawa,
Appl. Phys. Express **9**, 025801:1-4 (2016).
47. “Orthorhombic distortion and orbital order in the vanadium spinel FeV_2O_4 ”,
S. Kawaguchi, H. Ishibashi, S. Nishihara, S. Mori, J. Campo, F. Porcher, O. Fabelo, K. Sugimoto, J. Kim, K. Kato, M. Takata, H. Nakao, and Y. Kubota,
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48. “Surface Ordering of Orbitals at Higher Temperature

- in LaCoO₃ Thin Film”,
Y. Yamasaki, J. Fujioka, H. Nakao, J. Okamoto, T. Sudayama, Y. Murakami, M. Nakamura, M. Kawasaki, T. Arima, and Y. Tokura,
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49. “Quantum Hall effect in a bulk antiferromagnet EuMnBi₂ with magnetically confined two-dimensional Dirac fermions”,
Hidetoshi Masuda, Hideaki Sakai, Masashi Tokunaga, Yuichi Yamasaki, Atsushi Miyake, Junichi Shiogai, Shintaro Nakamura, Satoshi Awaji, Atsushi Tsukazaki, Hironori Nakao, Youichi Murakami, Taka-hisa Arima, Yoshinori Tokura, Shintaro Ishiwata,
Science Advances 29 Jan 2016: Vol. 2, no. 1, e1501117
50. “Observation of all-in type tetrahedral displacements in nonmagnetic pyrochlore niobates”,
S. Torigoe, Y. Ishimoto, Y. Aoishi, H. Murakawa, D. Matsumura, K. Yoshii, Y. Yoneda, Y. Nishihata, K. Kodama, K. Tomiyasu, K. Ikeda, H. Nakao, Y. Nogami, N. Ikeda, T. Otomo, and N. Hanasaki,
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51. “Suppression of the antiferromagnetic pseudogap in the electron-doped high-temperature superconductor by protect annealing”,
M. Horio, T. Adachi, Y. Mori, A. Takahashi, T. Yoshida, H. Suzuki, L. C. C. Ambolode, II, K. Okazaki, K. Ono, H. Kumigashira, H. Anazai, M. Arita, H. Namatame, M. Taniguchi, D. Otsuki, K. Sawada, M. Takahashi, T. Mizokawa, Y. Koike, and A. Fujimori,
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52. “Observation of magnetic order in multiferroic **SmMn₂O₅** studied by resonant x-ray magnetic scattering”,
Y. Ishii, S. Horio, M. Mitarashi, T. Sakakura, M. Fukunaga, Y. Noda, T. Honda, H. Nakao, Y. Murakami, and H. Kimura,
Phys. Rev. B **93**, 064415:1-7 (2016).
53. “Isotropic Kink and Quasiparticle Excitations in the Three-Dimensional Perovskite Manganite **La_{0.6}Sr_{0.4}MnO₃**”,
K. Horiba, M. Kitamura, K. Yoshimatsu, M. Minohara, E. Sakai, M. Kobayashi, A. Fujimori, and H. Kumigashira,
Phys. Rev. Lett. **116**, 076401:1-5 (2016).
54. “Cage Electron-Hydroxyl Complex State as Electron Donor in Mayenite”,
M. Hiraishi, K. M. Kojima, M. Miyazaki, I. Yamauchi, H. Okabe, A. Koda, R. Kadono, S. Matsuishi, and H. Hosono,
Phys. Rev. B **93**, 121201(R) :1-5 (2016).
55. “Novel Charge Ordering in the Trimer Iridium Oxide BaIrO₃”,
Ichiro Terasaki, Shun Ito, Taichi Igarashi, Shinichiro Asai, Hiroki Taniguchi, Ryuji Okazaki, Yukio Yasui, Kensuke Kobayashi, Reiji Kumai, Hironori Nakao and Youichi Murakami,
Crystals **6**, 27:1-12 (2016).
56. “Spatial distribution of transferred charges across the heterointerface between perovskite transition metal oxides LaNiO₃ and LaMnO₃”,
M. Kitamura, K. Horiba, M. Kobayashi, E. Sakai, M. Minohara, T. Mitsuhashi, A. Fujimori, H. Fujioka, and H. Kumigashira,
Appl. Phys. Lett. **108**, 111603:1-5 (2016).

<Conference>

2015 Japan-Taiwan International Workshop on Spectroscopy and Surface Science

June 2, 2015

Chiba, Japan

- Invited “Observation of the surface and interface of magnetic thin films towards the control of their properties”
K. Amemiya and M. Sakamaki

Collaborative Conference on 3D and Materials Research (CC3DMR) 2015

June 15-19, 2015

Busan, South Korea

- Invited “Origin of the Anomalous Mass Enhancement of the Subbands in Strongly-correlated Oxide Quantum Well structures”
M. Kobayashi

ICMAT2015 & IUMRS-ICA2015

June 28-July 3, 2015

Suntec, Singapore

- Invited ““Materials by design” using synchrotron analysis: Application to oxide quantum well structures”
Hiroshi KUMIGASHIRA

The 12th International Conference on Synchrotron Radiation Instrumentation (SRI2015)

July 6-10, 2015

New York, USA

- Invited “Electronic Ordering States in Strongly Correlated Electron Systems Studied by Resonant Soft X-ray Scattering”
H. Nakao
- Invited “Observation and control of novel quantum phenomena in artificial structures of strongly correlated oxides; “Materials by design” using synchrotron-radiation analysis”
Hiroshi KUMIGASHIRA

22nd International Colloquium on Magnetic Films and

Surfaces (ICMFS 2015)

July 12-17, 2015

Cracow, Poland

- Poster “Electric-field effects of antiferromagnetic NiO/ferromagnetic Ni thin films”
K.Amemiya and M.Sakamaki
- Oral “Role of interface oxide layer on the electric field effect in Fe/BaTiO₃ films”
M.Sakamaki and K.Amemiya

Photoelectrochemistry, Catalysis and X-ray Spectroscopy

August 17-19, 2015

Dübendorf, Switzerland

- Invited “Ultrafast dynamics by time resolved XRD”
Hiroki Wadati

16th International Conference on X-ray Absorption Fine Structure (XAFS 16)

August 23-28, 2015

Karlsruhe, Germany

- Poster “Depth - resolved X - ray magnetic circular dichroism measurement by a multi - anode microchannel plate detector combined with polarization switching”
K.Amemiya, M.Sakamaki, S.Kishimoto, T.Kosuge, K.Nigorikawa, M.Tanaka, T.Uchida, M.Saito, M.Ikeno, and K.Nakayoshi
- Poster “Role of interface oxide state for the electric field effect of Fe/BaTiO₃ investigated by xray absorption spectroscopy”
M.Sakamaki and K.Amemiya

French Physical Society

August 24-28, 2015

Strasbourg, France

- Oral “Origin of the Anomalous Mass Renormalization in Metallic Quantum Well States of Correlated Oxide SrVO₃”
M. Kobayashi, K. Yoshimatsu, E. Sakai, M. Kitamura, K. Horiba, A. Fujimori, H. Kumigashira

International Conference on Electron Spectroscopy and Structure

September 28-October 2, 2015

New York, US

- Poster “Polarization dependent angle-resolved photoemission study on the (110) surface of SrVO₃ films”
T.Mitsubishi, M. Minohara, M. Kitamura, R. Yukawa, E. Sakai, K. Horiba, K. Yoshimatsu, A. Fujimori, M. Kobayashi, H. Kumigashira
- Poster “Origin of the Anomalous Mass Renormalization in Metallic Quantum Well States of Correlated Oxide SrVO₃”
Masaki Kobayashi, K. Yoshimatsu, E. Sakai, M. Kitamura, K. Horiba, A. Fujimori, H. Kumigashira
- Oral “Kink and quasiparticle excitations in La_{0.6}Sr_{0.4}MnO₃ thin films studied by in situ angle-resolved photoemission spectroscopy”

K. Horiba, M. Kitamura, K. Yoshimatsu, M. Minohara, E. Sakai, M. Kobayashi, A. Fujimori, and H. Kumigashira

22nd International Workshop on Oxide Electronics

October 7-9, 2015

Paris, France

- Poster “Charge transfer at the heterointerface between perovskite oxides LaNiO₃ and LaMnO₃”
M. Kitamura, K. Horiba, M. Kobayashi, E. Sakai, M. Minohara, T. Mitsunashi, A. Fujimori, H. Fujioka, and H. Kumigashira

The 9th International Conference on the Science and Technology for Advanced Ceramics (STAC-9)

August 23, 2015

Tsukuba, Japan

- Invited “Synchrotron-Radiation Analysis of 2D Electrides”
Hiroshi KUMIGASHIRA

CEMS Topical Meeting on Oxide Interfaces 2015

November 5-6, 2015

Wako, Japan

- Invited “Novel two-dimensional electron liquid states in quantum well structures of strongly correlated oxides”
Hiroshi KUMIGASHIRA

BIT's 2nd Annual World Congress of Smart Materials 2016

March 4-7, 2016

Grand Copthorne Waterfront Hotel, Singapore

- Invited “Novel two-dimensional electron liquid states in quantum well structures of strongly correlated oxides”
Hiroshi KUMIGASHIRA